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Did you mean: kernel mode+resource+CPU

### Methods and system for managing computational resources of a coprocessor in a computing system

- [all 8 versions »](#)

NP Wilt, SA Nene, JS Beda III - US Patent 7,234,144, 2007 - Google Patents

... that might Kernel mode is a privileged processor mode that allows request coprocessing resources of a host system, system code ...

[Related Articles](#) - [Web Search](#)

### Techniques for efficient DCT/IDCT implementation on generic GPU - all 3 versions »

B Fang, G Shen, S Li, H Chen - Circuits and Systems, 2005. ISCAS 2005. IEEE International ..., 2005 - [ieeexplore.ieee.org](#)

... in memory reads since the transform kernel needs to ... more efficient than line rendering mode since more ... SMMCM also requires less memory resources, which becomes ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Model-T: Rethinking the OS for terabit speeds

W de Bruijn, H Bos - Computer Communications Workshops, 2008. INFOCOM. IEEE ..., 2008 - [ieeexplore.ieee.org](#)

... the kernel, which results in a user/kernel mode transition for ... If dedicated resources, such as a NIC's DMA engine ... for low-end NICs, or have the GPU stream to ...

[Web Search](#)

### Implementation of Kernel Methods on the GPU - all 6 versions »

J Ohmer, F Maire, R Brown - Digital Image Computing: Techniques and Applications, 2005. ..., 2005 - [ieeexplore.ieee.org](#)

... a matrix-matrix multiplication, which can be efficiently implemented on the GPU

[6]. The GPU implementation of ... Processing Layout for Kernel Methods ... RESOURCES ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

### Multithreaded kernel for graphics processing unit - all 3 versions »

AB GOSALIA, S PRONOVOST - EP Patent 1,450,257, 2004 - [freepatentsonline.com](#)

... wherein the coprocessor is a graphics processing unit (GPU). ... a memory resource referenced in a resource list that ... is free and asking the kernel mode driver to ...

[Cached](#) - [Web Search](#)

### Accelerator: using data parallelism to program GPUs for general-purpose uses - all 8 versions »

D Tarditi, S Puri, J Oglesby - ACM SIGOPS Operating Systems Review, 2006 - [portal.acm.org](#)

... A kernel is a function that is applied to each ... Retained mode makes it possible to build and manipulate ... Neither virtualizes the resources of a GPU, but requires ...

[Cited by 29](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [PDF] Comparing Software Development Approaches for General Purpose GPU Computing

B Metelitsa - 21st Computer Science Seminar - [rh.edu](#)

... example consider matrix – vector multiply: kernel void mul ... Also a full GPU resource abstraction that hides texture ... In immediate mode it operates as a standard ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

### Video memory management

AB Gossalia, S Pronovost, B Langley - US Patent 6,947,051, 2005 - freepatentsonline.com  
 ... eg, the allocation of actual underlying resources, paging, eviction, and the like).  
 The kernel mode driver (which is typically provided by a GPU supplier) is ...  
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### [Interactive kd tree GPU raytracing - all 2 versions »](#)

DR Horn, J Sugerman, M Houston, P Hanrahan - Proceedings of the 2007 symposium on Interactive 3D graphics ..., 2007 - portal.acm.org  
 ... rasterization and shading to offer a mode where rasterization ... efficiently our raytracer used the GPU's resources. ... We then fed the kernel the same sequence of ...  
[Cited by 9](#) - [Related Articles](#) - [Web Search](#)

### [CITATION] [Stream GPU Architectures and Algorithms for Adaptive Tessellation](#)

TS Popa, K Moule, MD McCool  
[Related Articles](#) - [Web Search](#)

### [CITATION] [Fuzzy ART Neural Network Parallel Computing on the GPU](#)

M Martinez-Zarzuela, FJD Pernas, JFD Higuera, MA ... - Computational and Ambient Intelligence 9th International ..., 2007 - Springer  
[Web Search](#) - [BL Direct](#)

### [VMM-independent graphics acceleration - all 12 versions »](#)

HA Lagar-Cavilla, N Toila, M Satyanarayanan, E de ... - Proceedings of the 3rd international conference on Virtual ..., 2007 - portal.acm.org  
 ... the 2.6.16.29 kernel in 32 bit mode, and X ... machines were configured with the same kernel (modulo para ... We also measure VMGL's resource utilization in terms of ...  
[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

### [PDF] [Performance Analysis of Game Engines - all 3 versions »](#)

B Michels, E Reiss - pages.cs.wisc.edu  
 ... for hardware designers to ensure that resources are effectively ... Most of the games appear more GPU limited ... The time spent in kernel mode is usually low, around 10 ...  
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### [Methods and apparatuses for facilitating processing of interlaced video images for progressive video ... - all 3 versions »](#)

SJ Estrop - US Patent 7,219,352, 2007 - Google Patents  
 ... User Mode Kernel Mode 324 - 326 - DE- FI)NCTIONS(S) RATE INTERFACE f«=IJJ-UI6 ^  
 -4--- GRAPHICS DEVICE DRIVER li GRAPHICS PROCESSOR (GPU) -314 -314 312 322 ...  
[Related Articles](#) - [Web Search](#)

### [PDF] [Exploiting Structure of Symmetric or Triangular Matrices on a GPU](#)

JH Jung, DP O'Leary - 2008 - drum.umd.edu  
 ...  $b = d \cdot 2^k \cdot a \cdot k$ . Assembling the matrix  $AD \cdot 2 \cdot A \cdot T$  without considering its structure wastes computational resources, because its upper and ... 3.2 Full format on a GPU ...  
[View as HTML](#) - [Web Search](#)

### [Data buffering optimization methods toward a uniform programming interface for gpu-based ... - all 2 versions »](#)

S Yamagiwa, L Sousa, D Antão - Proceedings of the 4th international conference on Computing ..., 2007 - portal.acm.org  
 ... program is called pixel shader) with a special keyword (kernel). ... It can allow resources, such as input textures, to be ... switches to a single program mode at any ...  
[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

[\[PDF\] Consumer graphics cards for fast image processing based on the Pixel Shader 3.0 standard](#)

G Monti, C Lindner, FP Leon, AW Koch - vms.ei.tum.de

... Due to the Parallel Mode concept, image processing tasks will ... In this manner, Frame Buffer resources can be used ...  $h(i,j)$  denotes the filter kernel function with ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)[GFX: Linux graphics drivers](#)

R Rowe - Linux Journal, 2002 - portal.acm.org

... These feature fast high-resolution anti-aliasing on the GPU (HRAA Quincunx ... the Linux side without much work." Nvdriver is a Linux kernel mode driver. ... Resources. ...

[Web Search](#)[Optimization principles and application performance evaluation of a multithreaded GPU using CUDA - all 3 versions »](#)

S Ryoo, CI Rodrigues, SS Baghsorkhi, SS Stone, DB ... - Proceedings of the 13th ACM SIGPLAN Symposium on Principles ..., 2008 - portal.acm.org

... Instruction, Multiple-Data (SIMD) mode among subsets ... Directly addressable from a kernel using pointers ... to achieving efficient execution resource utilization and ...

[Cited by 5](#) - [Related Articles](#) - [Web Search](#)[\[PDF\] Programming Graphics Hardware - all 5 versions »](#)

R Fernando, M Harris, M Wloka, C Zeller - Eurographics, Tutorials, 2004 - daimi.au.dk

... while the next frame is computed by the GPU into an ... API and the creation of all the resources needed to ... render context or device that defines the mode used by ...

[Cited by 14](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)[System and method for enhancing performance of a coprocessor - all 3 versions »](#)

AB GOSALIA, S PRONOVOST - EP Patent 1,450,258, 2004 - freepatentsonline.com

... by the coprocessor; in the case of a GPU coprocessor, supplemental ... in one embodiment, when the kernel mode driver provides a resource identifier for ...

[Cached](#) - [Web Search](#)[Challenges and Opportunities in Many-Core Computing](#)

JL Manferdelli, NK Govindaraju, C Crall - Proceedings of the IEEE, 2008 - ieeexplore.ieee.org

... core system stack that includes hypervisors, OS kernel, and user-mode runtime must ...

OS stack), power management, and coarse hardware resource allocation can ...

[Web Search](#) - [BL Direct](#)[Direct3D 10 programming guide excerpts](#)

C San Diego - portal.acm.org

... and guaranteeing of full virtualization of GPU memory. ... After input resources have been bound to the pipeline ... a primitive id uses a constant interpolation mode. ...

[Web Search](#)[\[PDF\] Integration of GPU into a Grid Architecture for Financial Computing](#)

M Ifrim - metz.supelec.fr

... used in the grid software architecture implemented at Supelec that will integrate the GPU. ... to the evolution of both hardware and software resources that are ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)[\[PDF\] Image-space Sheet-Buffered Splatting on the GPU](#)

S Grau, D Tost - truja.lsi.upc.edu

... use of the GPU computational resources and computes ... The radius of the voxels kernel determines the ... uses the PCI express memory interface in asynchronous mode. ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

### Fuzzy ART Neural Network Parallel Computing on the GPU

M Martinez-Zarzuela, F Diaz Pernas, J Diez ... - IWANN, 2007 - Springer

... to take advantage of it as a computational resource [2]. Fuzzy ART ... element are independent, allowing the execution of the kernel on different ... 4.1 Training Mode ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

### [CITATION] Distributed Texture Memory in a Multi-GPU Environment - all 2 versions »

A Moerschell, JD Owens - Computer Graphics Forum, 2007 - Blackwell Synergy

... are allocated identically, while instanced mode allows unique ... to texture memory, shared pages become a contended resource. ... the filtering in the kernel; such a ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

### [PDF] Accelerator: simplified programming of graphics processing units for general-purpose uses via data- ...

D Tarditi, S Puri, J Oglesby - URL <http://research.microsoft.com/research/pubs/view.aspx>, 2005 - andrew.cmu.edu

... Neither virtualize the resources of a GPU, but require the ... float[,] Blur(float[,] array, float[] kernel) { using (DFPA parallelArray = new DFPA(array)) { F

[Cited by 16](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

### GPU acceleration of numerical weather prediction

J Michalakes, M Vachharajani - Parallel and Distributed Processing, 2008. IPDPS 2008. IEEE ..., 2008 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... provided that the hardware has enough memory resources to satisfy ... into device memory at the end of the kernel. ... Dynamically configurable rounding mode is not ...

[Web Search](#)

### [CITATION] Distributed Texture Memory in a Multi-GPU Environment

F Password - Blackwell Synergy

[Web Search](#)

### GPU Computing

JD Owens, M Houston, D Luebke, S Green, JE Stone, ... - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... like syntax for executing on the GPU and compiles ... exposes much more of the hardware resources than Brook ... scatter data from within a kernel, and synchronization ...

[Cited by 1](#) - [Web Search](#) - [BL Direct](#)

### Matched Filter Computation on FPGA, Cell and GPU - all 4 versions »

ZK Baker, MB Gokhale, JL Tripp - Proceedings of the 15th Annual IEEE Symposium on Field- ..., 2007 - [doi.ieeecomputersociety.org](http://doi.ieeecomputersociety.org)

... SPEs, the entire matched filter kernel code can ... synchronization problems and fewer resources dedicated to ... a particular restriction of GPU architectures before ...

[Related Articles](#) - [Web Search](#)

### VHF SAR image formation implemented on a GPU

C Indexing, N Indexing - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... 200-800 MHz band and has a GMTI mode using a ... modulo" operator, which is why the kernel has to ... Clearly, graphics card designers spend more resources on high ...

[Related Articles](#) - [Web Search](#)

### [PDF] Position: Lightweight static resources - all 4 versions »

O Kiselyov, C Shan - [pobox.com](http://pobox.com)

... These memory areas include page tables, kernel data, and ... s running example, a text-mode terminal driver ... or staging, is the focus of resource-aware programming ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

**A case for virtual channel processors - all 15 versions »**

D McAuley, R Neugebauer - Proceedings of the ACM SIGCOMM workshop on Network-I/O ..., 2003 - portal.acm.org  
 ... a virtual machine, thus allow- ing a more dynamic allocation of resources. ... not need  
 to suffer from the extra cost of kernel/user mode crossings typically ...

[Cited by 15](#) - [Related Articles](#) - [Web Search](#)

**GPUCV: A FRAMEWORK FOR IMAGE PROCESSING ACCELERATION WITH GRAPHICS PROCESSORS - all 7 versions »**

JP Farrugia, P Horain, E Guehenneux, Y Alusse - Proceedings of the IEEE International Conference on ..., 2006 - doi.ieeecomputersociety.org

... are passed to shaders in read-only mode. ... fragment proces- sor is the kernel computation  
 applied to ... image processing operations require fur- ther GPU resources. ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

**[PDF] Accelerating a C++ Image Processing Library with a GPU - all 2 versions »**

J Cornwall, O Beckmann, P Kelly - Proceedings of POHLL 2006: Workshop on Performance ..., 2006 - doc.ic.ac.uk

... manage their available process- ing resources efficiently and ... data vertically, for  
 the kernel overlay, while ... the simple (linear-dodge) blending mode is offered ...

[Cited by 3](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

**[PDF] Exploiting Parallelism on Irregular Applications Using the GPU - all 3 versions »**

M Ujaldon, J Saltz - Intl. Conf. on Paral. Comp, 2005 - fz-juelich.de

... goal is to identify those valuable resources for irregular ... acceleration was set to  
 Single Display Mode and image ... row corresponding to the Euler kernel and the ...

[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

**High-Speed Implementations of Block Cipher ARIA Using Graphics Processing Units**

Y Yeom, Y Cho, M Yung - doi.ieeecomputersociety.org

... A kernel has a grid struc- ture which consists ... averaging the repeated encryptions  
 in ECB mode and the ... GPU is very useful resource for parallel com- putations ...

[Related Articles](#) - [Web Search](#)

**Acceleration of Regular Grid Traversals Using Extended Chessboard Distance Transformation on GPU - all 3 versions »**

A Es, V Isler - Computer Aided Design and Computer Graphics, 2005. Ninth ..., 2005 - ieeexplore.ieee.org

... In our GPU, it is required to create and modify depth buffer with LESS depth test  
 mode, otherwise optimized ... 1. A single run of the traversal kernel followed by ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

**GPU-based frequency domain volume rendering - all 5 versions »**

I Viola, A Kanitsar, ME Gröller - Proceedings of the 20th spring conference on Computer ..., 2004 - portal.acm.org

... im- plementation does not include a progressive refinement mode. ... point is convolved  
 with a kernel tile. ... to be half of the available graphics memory resources. ...

[Cited by 6](#) - [Related Articles](#) - [Web Search](#)

**Running Linux on the Xbox**

M Steil - Linux Journal, 2003 - portal.acm.org

... you have to enable a framebuffer driver in the kernel configuration, because ... In  
 640×480 mode, the PlayStation emulator epsx runs quite well with the ... Resources. ...

[Cited by 1](#) - [Web Search](#)

**Mapping computational concepts to GPUs**

M Harris - International Conference on Computer Graphics and ..., 2005 - portal.acm.org

... 31.2 An Inventory of GPU Computational Resources 499 ... to bind constants and streams  
 to the kernel and to ... and this can be specified using the mode parameter of ...

[Cited by 30](#) - [Related Articles](#) - [Web Search](#)

### [\[PDF\] Windows Vista® and Windows Server® 2008 Application Compatibility Cookbook](#)

AC Cookbook - microsoft.mrmplc.com

... 14 Windows Resource Protection (WRP ... Platform.....26

Networking: Kernel Mode IP Helper APIs ...

[View as HTML](#) - [Web Search](#)

### [Visual simulation of shallow-water waves - all 16 versions »](#)

TR Hagen, JM Hjelmervik, KA Lie, JR Natvig, M ... - Simulation Modelling Practice and Theory, 2005 - Elsevier

... that covers the entire viewport, and employ a fragment shader as the computational

kernel. A frag- ment shader is a program, which the GPU executes for each ...

[Cited by 9](#) - [Related Articles](#) - [Web Search](#)

### [PatentView/EP1359773](#)

S Parent, S Changes, G Info - gauss.ffii.org

... are too slow and/or use memory resources inefficiently, are ... 424 includes a graphics processor unit (GPU) 426, a video ... a user mode 418 or a kernel mode 420 with ...

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### [\[CITATION\] GPU-based Frequency Domain Volume Rendering](#)

O Deussen, C Hansen, DA Keim, D Saupe

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### [Interactive Resource-Intensive Applications Made Easy - all 4 versions »](#)

HA Lagar-Cavilla, N Tolia, E DE Lara, M ... - Proceedings of Middleware, 2007 - Springer

... Interactive Resource-Intensive Applications Made Easy ... experiments and Fedora's

2.6.12 Linux kernel for the ... we used that provide a partitioned execution mode. ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Performance Analysis For Real-Time 3D Computer Graphics](#)

A Lorenz - arthur-lorenz.de

... 155 Appendix B – Kernel Configuration File ... Floating Point Unit GE Geometry Engine

GPU Graphics Processing ... utilized to detect unused system resources and slow ...

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### [Method and apparatus for processing of interlaced video images for progressive video displays - all 3 versions »](#)

SJ ESTROP - EP Patent 1,357,745, 2003 - freepatentsonline.com

... of user mode logic 318 or kernel mode logic 319 ... 0114] After a suitable de-interlace mode GUID has ... driver 320 to reserve any hardware resources (eg, associated ...

[Cached](#) - [Web Search](#)

### [SoftGenLock: active stereo and genlock for PC cluster - all 10 versions »](#)

J Aillard, V Gouranton, G Lamarque, E Mellin, B ... - Proceedings of the workshop on Virtual environments 2003, 2003 - portal.acm.org

... RTAI forwards the interrupt to the Linux kernel as it ... Project 5 and the RivaTV 3

developer resources. ... possibilities to support di- rectly OpenGL stereo mode. ...

[Cited by 24](#) - [Related Articles](#) - [Web Search](#)

### [\[PDF\] Data Gathering Phase of the Dynamic Reverse Engineering](#)

ZR Radivojevic, MM Cvetanovic - cvetanovic.com

... very fast and simple algorithms in the kernel, but it ... analyzing of the every possible working mode of the ... all accesses to the graphic card resources that are ...

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[PDF] [A comparison of acceleration structures for GPU assisted ray tracing](#)

LO Simonsen, N Thrane - Master's thesis, University of Aarhus, 2005 - [larsole.com](#)

... The results of each kernel invocation is placed in an output stream. As pointed out by Purcell, programming for the GPU fits almost perfectly into this ...

Cited by 3 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[EXOCHI: architecture and programming environment for a heterogeneous multi-core multithreaded system](#) - all 2 versions »

PH Wang, JD Collins, GN China, H Jiang, X Tian, M ... - Proceedings of the 2007 ACM SIGPLAN conference on ..., 2007 - [portal.acm.org](#)

... managed by the OS, and the GPU resources are separately ... assumes the industry standard GPU driver-oriented ... 1 chi alloc desc( targetISA,ptr,mode,width,height ...

Cited by 5 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Dynamic Warp Formation and Scheduling for Efficient GPU Control Flow](#) - all 4 versions »

WWL Fung, I Sham, G Yuan, TM Aamodt - Proceedings of the 40th Annual IEEE/ACM International ..., 2007 - [portal.acm.org](#)

... purpose" computing kernel execution with a large quan ... supporting branching using a serialization mode [22 ... Execution resource utilization de- creased from 82.7 ...

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[GPU accelerated image aligned splatting](#) - all 8 versions »

N Neophytou, K Mueller - Volume Graphics, 2005. Fourth International Workshop on, 2005 - [ieeexplore.ieee.org](#)

... images and make efficient use of the hardware resources. ... achieve high speedups using retained mode splatting, keeping all ... in Figure 1, all kernel sections that ...

Cited by 15 - [Related Articles](#) - [Web Search](#)

[Direct macroblock mode techniques for high performance hardware motion compensation](#)

Q Song, X Tang, W Liu - US Patent 20,070,153,008, 2007 - [freepatentsonline.com](#)

... Code: A1. Abstract: Direct macroblock mode techniques for ... macroblock data buffer 325 in kernel space may be ... rates, output data rates, memory resources, data bus ...

[Cached](#) - [Web Search](#)

[Visualizing and Analyzing the Mona Lisa](#) - all 4 versions »

L Borgeat, G Godin, P Massicotte, G Poirier, F ... - IEEE COMPUTER GRAPHICS AND APPLICATIONS, 2007 - [doi.ieeecomputersociety.org](#)

... The kernel size (in model units) adapts naturally as ... 3D models (shown here in monoscopic mode for clarity ... ve implemented many features to optimize resource usage ...

[Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Modal Fourier wavefront reconstruction using graphics processing units](#) - all 2 versions »

JG Marichal-Hernández, JM Rodríguez-Ramos, F Rosa - Journal of Electronic Imaging, 2007 - [link.aip.org](#)

... still taking full advantage of the GPU resources, specifically their ... Kernel code corresponding to a radix-4-radix-2 ... FFTW was run on the patient mode for real ...

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[PDF] [DUNIX: Distributed operating systems education via experimentation.](#) - all 2 versions »

O Frieder, A Litman, ME Segal - MICROPROCESS. MICROPROGRAM., 1989 - [sambuca.umd.umich.edu](#)

... at entry and exit of any procedure of the kernel. ... fnp=214747232A=X7fffd3c4 path(p)=53984=Xd2e0 mode(p)=0 ... The handling of scarce resources is of primary concern ...

Cited by 1 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

**Secondary processor execution kernel framework - all 2 versions »**

G Chrysanthakopoulos, BL Schmidt - US Patent 6,996,699, 2006 - Google Patents

... 1998. Neelpros: Apredictable real-time kernel layer design for multimedia. ... "Emerging Markets—Enabling Technologies: Matching Algorithm/Resource." nd: 5 pp. ...

[Related Articles](#) - [Web Search](#)**[PDF] GPU Production Rendering - all 2 versions »**

L Gritz - csee.umbc.edu

... the human time is the more expensive resource anyway ... on graphics hardware (at least in its "native" mode). ... filtered with a high-quality kernel with support ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)**[PDF] Transparent Automatic Migration of Interactive Resource-Intensive Applications - all 3 versions »**

HA Lagar-Cavilla, N Tolia, E de Lara, M ... - 2007 - reports-archive.adm.cs.cmu.edu

... a characterization of an agent's resource usage and ... be homogeneous, with the same kernel, loaded libraries ... an ATI Radeon X600 Graphics Processor Unit (GPU). ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)**Tiered achievement system - all 3 versions »**

BF Kilgore, M Bortnik, II O'kelley, W Patrick, VH ... - US Patent 20,070,173,327, 2007 - freepatentsonline.com

... In this standalone mode, the multimedia console 100 ... at system boot time, the reserved resources do not ... enough to contain the launch kernel, concurrent system ...

[Cached](#) - [Web Search](#)**[PDF] Blink: 3d display multiplexing for virtualized applications - all 7 versions »**

JG Hansen - caleen.nat.ku.dk

... The Multiplexer runs as a user mode process in a ... code such as packet filters into the kernel, where it ... by the compiler, and we will implement resource account- ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)**Bandwidth-efficient processing of video images - all 3 versions »**

SJ Estrop - US Patent 7,139,002, 2006 - Google Patents

... problems may be present with respect to other kinds of resource-intensive processing ... CPU processor of the device and a graphics processing unit (GPU) share the ...

[Related Articles](#) - [Web Search](#)**[PDF] The GPU and Graphic Algorithms - all 6 versions »**

I Hanák - herakles.zcu.cz

... Ivo Hanák State of the Art and Concept of PhD Thesis The GPU and Graphic Algorithms Distribution: public ... Page 2. The GPU and Graphic Algorithms Ivo Hanák ...

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M McCool, S Du Toit, T Popa, B Chan, K Moule - International Conference on Computer Graphics and ..., 2004 - portal.acm.org

... If an ShProgram is compiled with the "gpu:stream" or ... plan to add a retained mode to permit greater ... a" alone creates an unevaluated program kernel, which is ...

[Cited by 57](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**[CITATION] A Flexible Kernel for Adaptive Mesh Refinement on GPU**

T Boubekur, C Schlick - Computer Graphics Forum, 2007 - Blackwell Synergy

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## Tracing

CH Chang - 2007 - wpi.edu

... 17 Figure 9 Kernel Diagram for ... limiting resource for some time in the future, we are interested in ... 1.2 Thesis Goal Recent work on the CPU and GPU have shown ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

## Facilitating interaction between video renderers and graphics device drivers - all 4 versions »

SJ ESTROP - EP Patent 1,359,773, 2003 - freepatentsonline.com

... are too slow and/or use memory resources inefficiently, are ... 424 includes a graphics processor unit (GPU) 426, a video ... a user mode 418 or a kernel mode 420 with ...

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## [PDF] Efficient Personal Supercomputing in Fortran 9x on CPU-GPU Systems

NA Gumerov, R Duraiswami, LLC Fantaigo, MD ... - cscamm.umd.edu

... gap between the easily available computational resources and the ... matrix operations and have efficient GPU analogs, ... basis functions (or kernel functions) of the ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

## Realtime Ray Tracing on GPU with BVH-based Packet Traversal - all 2 versions »

J Gunther, S Popov, HP Seidel, P Slusallek - Interactive Ray Tracing, 2007. RT'07. IEEE Symposium on, 2007 - [ieeexplore.ieee.org](#)

... other parallel RAM (PRAM) machine, with processors working in SIMD mode. ... more, each thread should use as few resources as possible ... We used a single kernel for ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

## PatentView/EP1492027

S Parent, S Changes, G Info - gauss.flii.org

... computer system, for example, a kernel-mode response cache ... processing device, such as a GPU, to perform ... accessing a corresponding Uniform Resource Locator ("URL ...

[Cached](#) - [Web Search](#)

## Strategies for optimally generating pipeline processing code - all 2 versions »

DJ Munsil - US Patent 7,317,827, 2008 - freepatentsonline.com

... AGP) display driver with restricted execute mode for transparently ... filtering using shared filter resource between overlay ... Method for kernel selection for image ...

[Related Articles](#) - [Cached](#) - [Web Search](#)

## [CITATION] MoTrack 3D—Three Dimensional Motion Tracking using Stereo Vision

SS Abeysinghe - Final Year Project Thesis, 2004

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## [PDF] Blink: Advanced Display Multiplexing for Virtualized Applications - all 5 versions »

JG Hansen - Proc. 17th International Workshop on Network and Operating ... - diku.edu

... All use of hard- ware resources can be tracked and subjected to a policy that ... Here, the kernel framebuffer is shown, both running a text mode console and ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

## Network displays and method of their operation - all 3 versions »

G Nuytens, R Dewaele - EP Patent 1,768,383, 2007 - freepatentsonline.com

... 12 are input signals to a shared resource network 13 ... signals are subsequently rendered by the GPU 44 of ... block allows the design of a kernel mode device driver ...

[Cached](#) - [Web Search](#)

## [PDF] Fast Feature Detection with a Graphics Processing Unit Implementation - all 2 versions »

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